

Project Title	Funding	Institution
ACE Center: Cognitive affective and neurochemical processes underlying IS in autism	\$377,577	University of Illinois at Chicago
ACE Center: Development of categorization, facial knowledge in low & high functioning autism	\$386,379	University of Pittsburgh
ACE Center: Development of categorization, facial knowledge in low & high functioning autism (supplement)	\$81,816	University of Pittsburgh
ACE Center: Diffusion tensor MRI + histopathology of brain microstructure + fiber pathways	\$12	University of Pittsburgh
ACE Center: Diffusion tensor MRI + histopathology of brain microstructure + fiber pathways (supplement)	\$2	University of Pittsburgh
ACE Center: Disturbances of affective contact: Development of brain mechanisms for emotion	\$154,445	University of Pittsburgh
ACE Center: Disturbances of affective contact: Development of brain mechanisms for emotion (supplement)	\$32,703	University of Pittsburgh
ACE Center: Imaging the autistic brain before it knows it has autism	\$206,916	University of California, San Diego
ACE Center: Mirror neuron and reward circuitry in autism	\$307,838	University of California, Los Angeles
ACE Center: Mirror neuron and reward circuitry in autism (supplement)	\$51,364	University of California, Los Angeles
ACE Center: Neuroimaging studies of connectivity in ASD	\$337,540	Yale University
ACE Center: Systems connectivity + brain activation: Imaging studies of language + perception	\$444,021	University of Pittsburgh
ACE Center: Systems connectivity + brain activation: Imaging studies of language + perception (supplement)	\$94,022	University of Pittsburgh
ACE Center: The Imaging Core	\$326,381	University of California, Los Angeles
ACE Center: The Imaging Core (supplement)	\$54,458	University of California, Los Angeles
A combined fMRI-TMS study on the role of the mirror neuron system in social cognition: Moving beyond correlational evidence	\$127,500	University of California, Los Angeles
A microdevice for immune profiling of children with autism	\$19,000	University of California, Davis
A model-based investigation of face processing in autism	\$12,950	Georgetown University
Analysis of brain microstructure in autism using novel diffusion MRI approaches	\$59,992	Washington University School of Medicine
Analysis of the small intestinal microbiome of children with autism	\$132,750	Massachusetts General Hospital
Anatomy of primate amygdaloid complex	\$106,669	University of California, Davis
Anterior cingulate and fronto-insular related brain networks in autism	\$194,745	Mount Sinai School of Medicine
Architecture of myelinated axons linking frontal cortical areas	\$54,000	Boston University
Are neuronal defects in the cerebral cortex linked to autism?	\$0	Memorial Sloan-Kettering Cancer Center
Attentional abnormalities in autism: An electrophysiological study of the basal forebrain and central nucleus of the amygdala	\$60,000	University of California, San Diego
Atypical late neurodevelopment in autism: A longitudinal MRI and DTI study	\$503,378	University of Utah
Autism spectrum disorders and the visual analysis of human motion	\$250,000	Rutgers, The State University of New Jersey
Autistic endophenotypes and their associations to oxytocin and cholesterol	\$84,055	Mount Sinai School of Medicine

Project Title	Funding	Institution
BDNF secretion and neural precursor migration	\$0	Dana-Farber Cancer Institute
Behavioral and functional neuroimaging investigations of visual perception and cognition in autistics	\$127,168	Université de Montréal
Behavioral and sensory evaluation of auditory discrimination in autism	\$150,220	University of Massachusetts Medical School
Behavioral pilot for an imaging study of social attention deficits in autism	\$205,200	Washington University in St. Louis
Brain circuitry in simplex autism	\$187,500	Washington University in St. Louis
Cerebellar anatomic and functional connectivity in autism spectrum disorders	\$251,419	University of Texas at Austin
Cerebellar modulation of frontal cortical function	\$347,643	University of Memphis
Characterization of the mirror neuron system in 3-9 month old infants using the BabySQUID imaging system	\$4,748	University of New Mexico
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	\$0	Research Foundation for Mental Hygiene, Inc.
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	\$0	Research Foundation for Mental Hygiene, Inc.
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	\$0	Research Foundation for Mental Hygiene, Inc.
Chemosensory processing in chemical communication	\$287,963	Florida State University
Cognitive control in autism	\$146,960	University of California, Davis
Coherence and temporal dynamics in auditory cortex of children with autism	\$88,292	Massachusetts General Hospital
Connectivity of anterior cingulate cortex networks in autism	\$265,044	New York University School of Medicine
Cortical complexity in children with autism, unaffected siblings, and controls	\$79,000	Stanford University
Cortical mechanisms underlying visual motion processing impairments in autism	\$60,000	Harvard Medical School/McLean Hospital
Dendritic organization within the cerebral cortex in autism	\$144,822	The Open University
Deriving neuroprogenitor cells from peripheral blood of individuals with autism	\$46,597	University of Utah
Description and assessment of sensory abnormalities in ASD	\$18,968	Center for Autism and Related Disorders (CARD)
Development of brain connectivity in autism	\$312,916	New York School of Medicine
Development of the functional neural systems for face expertise	\$524,017	University of California, San Diego
Distinct function of the neuroligin 3 postsynaptic adhesion complex	\$37,784	Columbia University
Electrical measures of functional cortical connectivity in autism	\$60,000	University of Washington
Engrailed and the control of synaptic circuitry in Drosophila	\$112,500	University of Puerto Rico Medical Sciences Campus
Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	\$474,750	Memorial Sloan-Kettering Cancer Center
Evaluation of sleep disturbance in children with ASD	\$27,456	Center for Autism and Related Disorders (CARD)
fMRI studies of cerebellar functioning in autism	\$46,000	University of Illinois at Chicago

Project Title	Funding	Institution
fMRI studies of neural dysfunction in autistic toddlers	\$614,468	University of California, San Diego
fMRI study of self-produced tactile stimulation in autistic adolescents	\$244	Mount Sinai School of Medicine
Functional anatomy of face processing in the primate brain	\$1,678,309	National Institutes of Health (NIH)
Functional neuroanatomy of developmental changes in face processing	\$302,360	University of Kentucky
Functional neuroanatomy of developmental changes in face processing (supplement)	\$7,712	University of Kentucky
Function and structure adaptations in forebrain development	\$568,834	University of Southern California
GABAergic dysfunction in autism	\$294,344	University of Minnesota
GABAergic dysfunction in autism (supplement)	\$63,950	University of Minnesota
Gamma band dysfunction as a local neuronal connectivity endophenotype in autism	\$78,797	University of Colorado Denver
Greater New York Autism Center of Excellence - Clinical Core	\$1,224	Mount Sinai School of Medicine
Gross morphological correlates to the minicolumnopathy of autism	\$287,554	University of Louisville
High-resolution diffusion tensor imaging in mouse models relevant to autism	\$253,735	University of Pennsylvania
Identifying brain-based biomarkers for ASD & their biological subtypes	\$1,206,925	New York State Psychiatric Institute
Imaging brain and movement in ASD	\$270,296	University of California, San Diego
Imaging signal transduction in single dendritic spines	\$390,000	Duke University
Imaging synaptic neurexin-neuroligin complexes by proximity biotinylation: Applications to the molecular pathogenesis of autism	\$49,000	Massachusetts Institute of Technology
Informational and neural bases of empathic accuracy in autism spectrum disorder	\$0	Columbia University
Integrative functions of the planum temporale	\$452,524	University of California, Irvine
Investigation of cortical folding complexity in children with autism, their autism-discordant siblings, and controls	\$0	Stanford University
Linguistic perspective-taking in adults with high-functioning autism: Investigation of the mirror neuron system	\$28,000	Carnegie Mellon University
Linking local activity and functional connectivity in autism	\$388,825	San Diego State University
Longitudinal neurodevelopment of auditory and language cortex in autism	\$27,318	University of Utah
MEG investigation of phonological processing in autism	\$28,000	University of Colorado Denver
MEG investigation of the neural substrates underlying visual perception in autism	\$127,081	Massachusetts General Hospital
Mimicry and imitation in autism spectrum disorders	\$31,685	University of Connecticut
Molecular mechanisms regulating synaptic strength	\$299,250	Washington University in St. Louis
Molecular mechanisms regulating synaptic strength (supplement)	\$32,258	Washington University in St. Louis
Morphogenesis and function of the cerebral cortex	\$399,013	Yale University
Motivation, self-monitoring, and family process in autism	\$304,247	University of Miami

Project Title	Funding	Institution
Motor skill learning in autism	\$332,646	Kennedy Krieger Institute
MRI measures of neural connectivity in Asperger's disorder	\$208,337	University of Michigan
MRI studies of cognition and sensorimotor integration	\$7,770	Georgetown University
MRI system for neuroimaging typical and atypical cognitive and social development	\$2,000,000	Carnegie Mellon University
Multimodal brain imaging in autism spectrum disorders	\$165,397	University of Washington
Multisensory integration and temporal synchrony in autism	\$34,176	University of Rochester
Multisensory integration of faces and voices in the primate temporal lobe	\$335,983	Princeton University
Multisensory processing in autism	\$104,607	University of North Carolina at Chapel Hill
Murine genetic models of autism	\$172,390	Vanderbilt University
Neocortical regionalization: Analysis of genetic and epigenetic influences	\$75,000	University of California, Riverside
Neural basis for the production and perception of prosody	\$81,500	University of Southern California
Neural basis of audiovisual integration during language comprehension in autism	\$30,000	University of Rochester
Neural basis of socially driven attention in children with autism	\$28,000	University of California, Los Angeles
Neural correlates of social exchange and valuation in autism	\$149,985	Baylor College of Medicine
Neural mechanisms for social cognition in autism spectrum disorders	\$229,730	Massachusetts Institute of Technology
Neural mechanisms of attentional networks in autism	\$490	Mount Sinai School of Medicine
Neural mechanisms of social cognition and bonding	\$31,387	Emory University
Neural mechanisms underlying an extended multisensory temporal binding window in ASD	\$28,000	Vanderbilt University
Neural substrate of language and social cognition: Autism and typical development	\$47,210	Massachusetts Institute of Technology
Neurobiological correlates of language dysfunction in autism spectrum disorders	\$404,389	Alexian Brothers Medical Center
Neurobiological correlates of language dysfunction in autism spectrum disorders (supplement)	\$8,688	Alexian Brothers Medical Center
Neurobiological mechanisms of insistence on sameness in autism	\$28,000	University of Illinois at Chicago
Neurobiology of affective prosody perception in autism	\$190,000	Washington University in St. Louis
Neurodevelopmental mechanisms of social behavior	\$607,379	University of Southern California
Neuroimaging of top-down control and bottom-up processes in childhood ASD	\$403,739	Georgetown University
Neuroligins and neuroligins as autism candidate genes: Study of their association in synaptic connectivity	\$60,000	University of California, San Diego
Novel approaches for investigating the neurology of autism: Detailed morphometric analysis and correlation with motor impairment	\$127,500	Kennedy Krieger Institute

Project Title	Funding	Institution
NrCAM, a candidate susceptibility gene for visual processing deficits in autism	\$127,500	University of North Carolina at Chapel Hill
Optical analysis of circuit-level sensory processing in the cerebellum	\$0	Princeton University
Optogenetic analysis of circuits for vocal recognition	\$156,000	Duke University
Past, present, and future-oriented thinking about the self in children with autism spectrum disorder	\$61,000	City University London
Phonological processing in the autism spectrum	\$32,000	Heriot-Watt University
Physiological and behavioral characterization of sensory dysfunction in autism	\$77,250	Thomas Jefferson University
Precursors of theory of mind in young children with autism	\$79,227	Carnegie Mellon University
Presence of clostridia in children with and without ASD	\$12,054	Center for Autism and Related Disorders (CARD)
Psychophysiological approaches to the study of autism	\$26,000	University of Washington
Psychophysiological mechanisms of emotion expression	\$0	Georgia State University
Radiofrequency transmit and receive upgrade for 3T research scanner	\$500,000	Kennedy Krieger Institute
Real time PCR for yeasts	\$20,000	Brentwood Biomedical Research, Inc.
Regulation of activity-dependent ProSAP2 synaptic dynamics	\$41,176	Stanford University
Regulation of gene expression in the brain	\$2,125,882	National Institutes of Health (NIH)
Restricted and repetitive behaviors in young children with autism (supplement)	\$23,131	Duke University
Reward system in autism	\$181,125	Kennedy Krieger Institute
RNA-Seq studies of gene expression in cells and networks in FI and ACC in autism	\$564,301	California Institute of Technology
Role of autism-susceptibility gene, CNTNAP2, in neural circuitry for vocal communication	\$573,420	University of California, Los Angeles
Role of neuroligin in synapse stability	\$127,500	Oklahoma Medical Research Foundation
Role of Pam in synaptic morphology and function	\$127,497	Massachusetts General Hospital
Roles of Wnt signaling/scaffolding molecules in autism	\$28,000	University of California, San Francisco
Sensory processing and integration in autism	\$593,677	City College of New York
Slick and slack heteromers in neuronal excitability	\$53,354	Yale University
Social and affective components of communication	\$152,186	The Salk Institute for Biological Studies
Social behavior deficits in autism: Role of amygdala	\$93,500	State University of New York Upstate Medical Center
Stereological analyses of neuron numbers in frontal cortex from age 3 years to adulthood in autism	\$0	University of California, San Diego
Structural brain differences between autistic and typically-developing siblings	\$12,030	Stanford University
Taste, smell, and feeding behavior in autism: A quantitative traits study	\$592,498	University of Rochester

Project Title	Funding	Institution
Taste, smell, and feeding behavior in autism: A quantitative traits study (supplement)	\$151,884	University of Rochester
Testing neurological models of autism	\$315,526	California Institute of Technology
Testing the effects of cortical disconnection in non-human primates	\$150,000	The Salk Institute for Biological Studies
The cognitive neuroscience of autism spectrum disorders	\$1,335,493	National Institutes of Health (NIH)
The development and redevelopment of lexical and sublexical representations	\$380,273	The Research Foundation of the State University of New York
The development of object representation in infancy	\$248,095	Regents of University of California
The effects of Npas4 and Sema4D on inhibitory synapse formation	\$127,500	Children's Hospital Boston
The fusiform and amygdala in the pathobiology of autism	\$311,951	Children's Hospital of Philadelphia
The microstructural basis of abnormal connectivity in autism	\$348,980	University of Utah
The mirror neuron system in the monkey and its role in action understanding	\$184,470	Massachusetts General Hospital
The neural basis of social cognition	\$325,651	Indiana University
The neural correlates of transient and sustained executive control in children with autism spectrum disorder	\$60,000	University of Missouri
The neural substrates of repetitive behaviors in autism	\$54,436	Boston University Medical Campus
The role of Fox-1 in neurodevelopment and autistic spectrum disorder	\$139,471	University of California, Los Angeles
The role of the amygdala in autism	\$152,144	University of California, Davis
Time perception and timed performance in autism	\$89,871	Kennedy Krieger Institute
Towards an endophenotype for amygdala dysfunction	\$384,145	California Institute of Technology
Understanding perception and action in autism	\$32,000	Kennedy Krieger Institute
Upgrade to multiuser 3T magnetic resonance imager	\$500,000	University of Kentucky
Using genetically modified mice to explore the neuronal network involved in social recognition	\$60,000	Haifa University
Visual perspective-taking and the acquisition of American Sign Language by deaf children with autism	\$28,000	University of Texas at Austin
Visuospatial processing in adults and children with autism	\$30,000	Carnegie Mellon University
Wiring the brain: From genetic to neuronal networks	\$13,000	University of North Carolina at Chapel Hill

